

# Data Management & Analysis

**Cathy Anderson, Team Leader**

**Data Management & Analysis Team**

**Water Quality Planning Division**

# Data Management & Analysis Team (DM&A)

- **The Team**
  - **Cathy Anderson, Team Leader**
  - **Peter Bohls**
  - **Ivan Cruickshank**
  - **Terra Lingren**
  - **Amir Poursamadi**
  - **Sarah Kirkland**
  - **Nichole Batista Nunes**

# DM&A – At the Workshop

- Divide into 'groups' – Winning group 'gets the prize'
  - Rows **1 + 2**, **3 + 4**, **5 + 6**, etc... and group the tables
  - Complete one questionnaire per group, work together
  - Check the answers
    - Challenge questions if necessary
    - Winning group gets the prize (be nice and share!)

# DM&A – What We Do

- **Serve TCEQ Regional Staff in the Office of Compliance & Enforcement**
- **Serve Water Quality Planning Division**
  - **Monitoring & Assessment Section – Standards, CRP, & SWQM/CWQM**
  - **Planning & Implementation Section – TMDL, NPS, GBBEP**

**This includes all of our partners ! Thank you for helping us !**

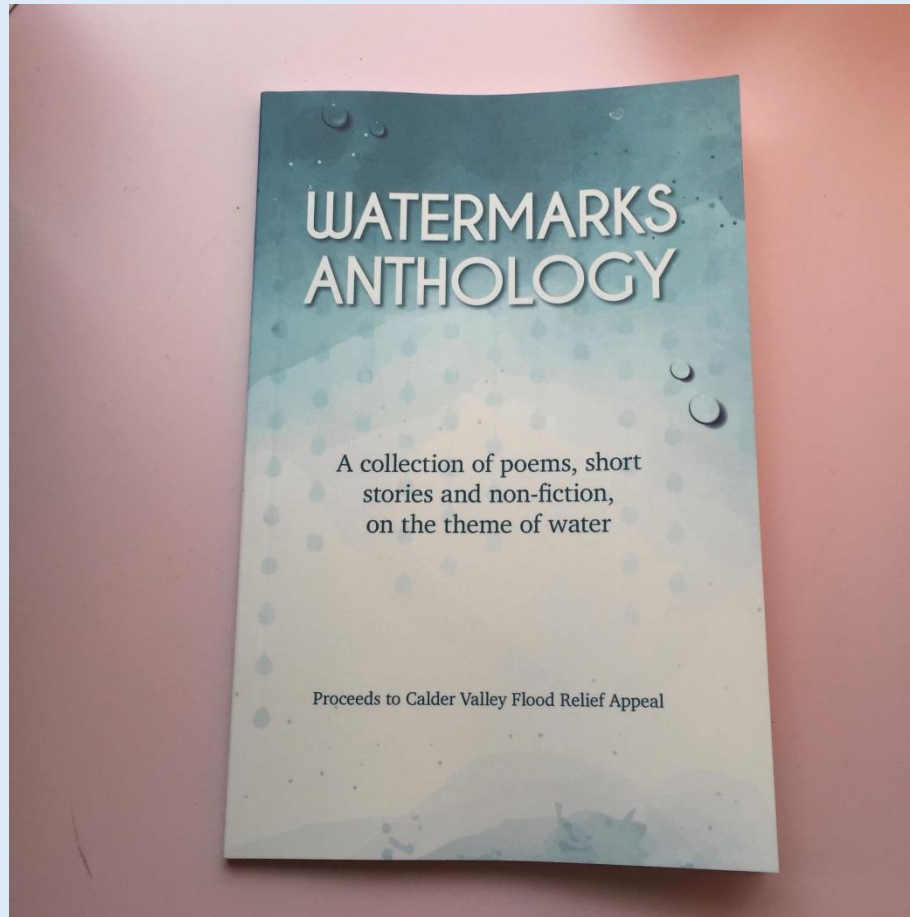
# DM&A – Before the Monitoring

- Before monitoring can take place – approved QA document
- Participate in project kick-off meetings
- Review QAPPs and QAPs, particularly for data – related items
- Assist with SWQMIS account access and privileges
- Process data requests - for project background information
- Approve and sign – off on QAPPs and QAPs
- Create SLOCs, Tag prefix, and Entity codes as necessary

# DM&A – PITA, and we understand



# DM&A – Surface Water *Inspires*





# DM&A – Surface Water *Inspires*



**Data?**

**Guess the value...**



# DM&A – Surface Water *Inspires*

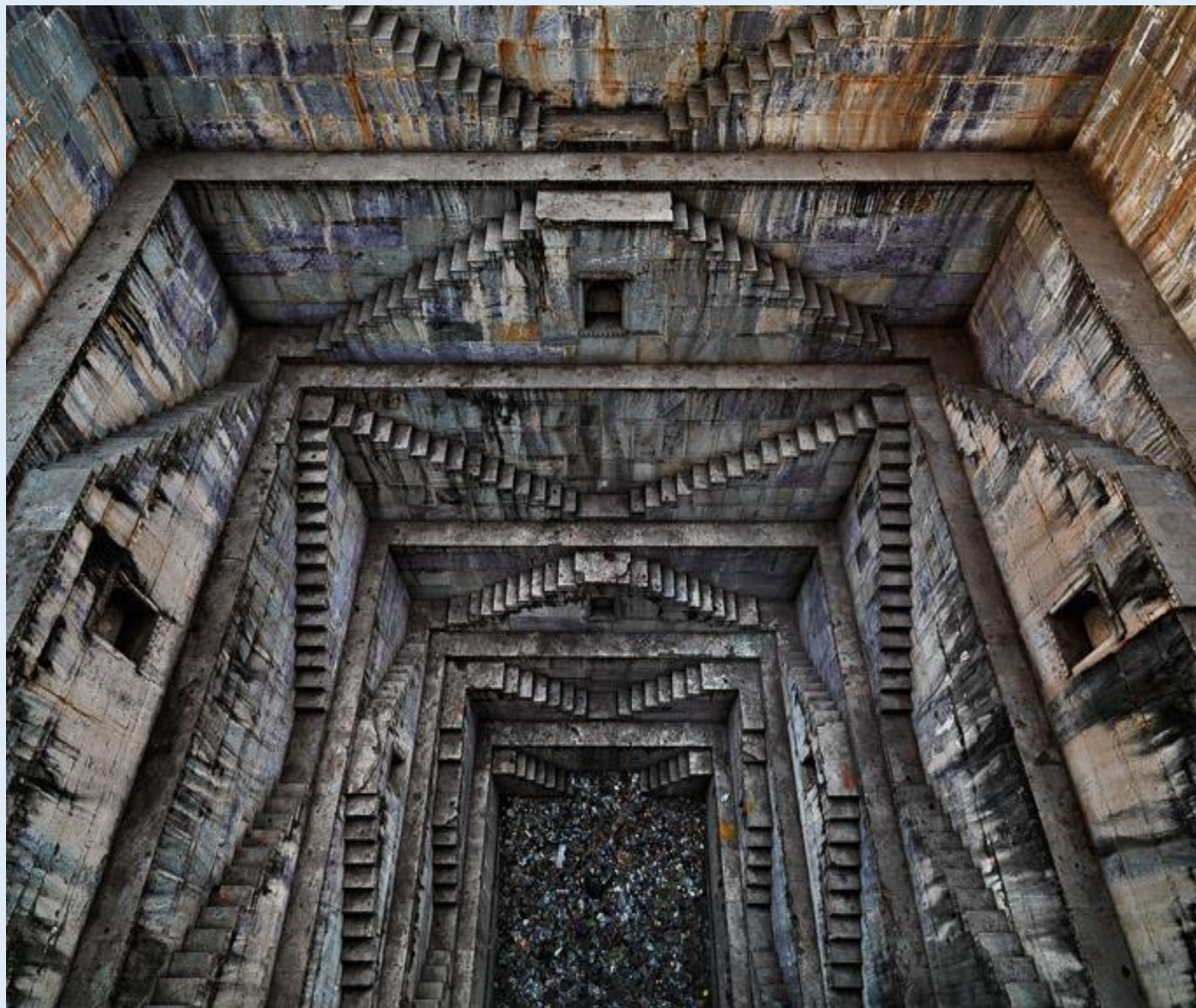


# DM&A – Surface Water *Inspires*

- **Surface water quality monitoring data also *inspires***
- **Data becomes available only when in an accessible system**
- **Decisions can be made based on available data**







# DM&A – Data Deliverables

- **Verify and Validate data deliverables in SWQMIS**
  - Includes data entered by Regional staff and lab data  
AND flat – file uploads
- **Edit data at Production Validation Status via Data Correction Requests (DCRs)**
  - DCRs are a routine task for DM&A. Please communicate.

# DM&A – Our Publication

- **Data Management Reference Guide (DMRG)**
- **Available only online**
  - **Easy to search using search function**
- **Will solicit comments**
- **Aligned with SWQM Procedures Manuals**



# DM&A – SWQMIS and more

- **DM&A manages the SWQMIS project**
- **SWQMIS is:**
  - **The database – ‘SWQMIS’**
  - **The Assessment Tool – ‘SWQMAT’**
  - **The WAP Tool – ‘WAP’**
  - **The Integrated Report Tool – ‘SWQMIR’**
- **The SWQMIS User Guide is available within SWQMIS – ‘Help’**
- **Data deliverable to the Federal system(s)**

# DM&A – Announcements

- **Upcoming...**
  - **Call for data – 12/1/2009 through 11/30/2016**
  - **Migrations – ‘we comply’**
  - **Staff changes – primarily for TCEQ Region data**
- **SWQMIS Training Wednesday evening and perhaps in December at the TCEQ**

# References

- **SWQM Procedures Manual, Volumes 1 and 2**
- **SWQMIS User Guide**
- **SWQM Data Management Reference Guide**
- **Everybody say 'D.M.R.G.'**
- **[SWQMIS@tceq.texas.gov](mailto:SWQMIS@tceq.texas.gov)**
- **[WDMA@tceq.texas.gov](mailto:WDMA@tceq.texas.gov)**